

# VTA tube settings chart

Rev.2

VTA tube settings chart.xls

Each tube section is listed on a separate row.

Blank pin entry is NC.

Units: lh, lp, ls - mA. Gm, Gp – umhos.

Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12	Vh	Vg	Vp	Vs	lh	lp	ls	Gm	Gp	Notes
807	Htr	Scr	Grd	Gnd	HtrG	-	-	-	-	-	-	-	6.3	-12.5	300	250	900	83	8	6500	41.7	From Brimar DS
6550	-	Htr	Plt	Scr	Grd	-	HtrG	Gnd	-	-	-	-	6.3	-16.5	400	225	1600	87	4	9000	37	Lower lp operating point
6550	-	Htr	Plt	Scr	Grd	-	HtrG	Gnd	-	-	-	-	6.3	-14	250	250	1600	140	12	11000	66.7	Nominal lp exceeds VTA limit.
7591	-	Htr	Plt	Scr	Gnd	Grd	HtrG	-	-	-	-	-	6.3	-10	300	300	800	60	8	10200	34.5	p8=2nd g2 conn
7722	Gnd	Grd	-	Htr	HtrG	-	Plt	Gnd	Scr	-	-	-	6.3	-2	190	160	315	20	6	26000	10	p8=g3; p3=2nd k conn
8417	-	Htr	Plt	Scr	Grd	-	HtrG	Gnd	-	-	-	-	6.3	-12	300	300	1600	100	5.5	23000	62.5	
12AU7-1	Plt	Grd	Gnd	Htr	HtrG	-	-	-	-	-	-	-	12.6	0	100	-	150	11.8	-	3100	160	
12AU7-2	-	-	-	Htr	HtrG	Plt	Grd	Gnd	-	-	-	-	12.6	0	100	-	150	11.8	-	3100	160	
12AX7-1	Plt	Grd	Gnd	Htr	HtrG	-	-	-	-	-	-	-	12.6	-2	250	-	150	1.2	-	1600	16	Updated from 0.5mA O.P.
12AX7-2	-	-	-	Htr	HtrG	Plt	Grd	Gnd	-	-	-	-	12.6	-2	250	-	150	1.2	-	1600	16	Updated from 0.5mA O.P.
5U4GB-1	-	Htr	-	Plt	-	-	Gnd	HtrG	-	-	-	-	5.0	-	28.5*	-	3000	100	-	-	-	Jumper p7 to p8. *Effective Vp=26
5U4GB-2	-	Htr	-	-	-	Plt	Gnd	HtrG	-	-	-	-	5.0	-	28.5*	-	3000	100	-	-	-	Jumper p7 to p8. *Effective Vp=26
5Y3GT-1	-	Htr	-	Plt	-	-	Gnd	HtrG	-	-	-	-	5.0	-	38.5*	-	2000	75	-	-	-	Jumper p7 to p8. *Effective Vp=36
5Y3GT-2	-	Htr	-	-	-	Plt	Gnd	HtrG	-	-	-	-	5.0	-	38.5*	-	2000	75	-	-	-	Jumper p7 to p8. *Effective Vp=36
6AU6	Grd	Gnd	Htr	HtrG	Plt	Scr	Gnd	-	-	-	-	-	6.3	-1.06	250	125	300	7.6	3.0	4500	0.67	p2=g3
6AU8-P	-	-	-	Htr	HtrG	Gnd	Grd	Scr	Plt	-	-	-	6.3	-1.67	200	125	600	17	3.4	8000	10	Pentode section
6AU8-T	Gnd	Grd	Plt	Htr	HtrG	-	-	-	-	-	-	-	6.3	-1.42	150	-	600	9.5	-	5300	123.5	Triode section
6JK6	Grd	Gnd	Htr	HtrG	Plt	Scr	Gnd	-	-	-	-	-	6.3	-1.05	125	125	350	11.5	3.9	18000	6.7	p7=g3
6L6	-	Htr	Plt	Scr	Grd	-	HtrG	Gnd	-	-	-	-	6.3	-14	250	250	900	72	5	6000	44.4	
6SJ7	-	Htr	Gnd	Grd	Gnd	Scr	HtrG	Plt	-	-	-	-	6.3	-3	250	100	300	3.0	0.8	1650	1.0	
6SK7	-	Htr	Gnd	Grd	Gnd	Scr	HtrG	Plt	-	-	-	-	6.3	-3	250	100	300	9.2	2.6	2000	1.25	
6SL7-1	Grd	Plt	Gnd	-	-	-	Htr	HtrG	-	-	-	-	6.3	-2	250	-	300	2.3	-	1600	22.7	
6SL7-2	-	-	-	Grd	Plt	Gnd	Htr	HtrG	-	-	-	-	6.3	-2	250	-	300	2.3	-	1600	22.7	
6SN7-1	Grd	Plt	Gnd	-	-	-	Htr	HtrG	-	-	-	-	6.3	-8	250	-	600	9.0	-	2600	130	
6SN7-2	-	-	-	Grd	Plt	Gnd	Htr	HtrG	-	-	-	-	6.3	-8	250	-	600	9.0	-	2600	130	
6V6	-	Htr	Plt	Scr	Grd	-	HtrG	Gnd	-	-	-	-	6.3	-12.5	250	250	450	45	4.5	4100	20	
EL34	Gnd	Htr	Plt	Scr	Grd	-	HtrG	Gnd	-	-	-	-	6.3	-13.5	250	265	1500	100	14.9	12500	58.8	p1=g3
EL84	-	Grd	Gnd	Htr	HtrG	-	Plt	-	Scr	-	-	-	6.3	-7.3	250	250	760	48	5.5	11300	26.3	